

**Amendments to the Specification:**

1. Page 1, after first paragraph, insert the following:

---BACKGROUND OF THE INVENTION

1. Field of the Invention---;
2. Page 1, after second paragraph, insert the following:  
  
---2. Discussion of Background Information---;

3. Page 5, after third paragraph, insert the following:

---SUMMARY OF THE INVENTION

The present invention provides a composition for intensifying natural hair color and/or stimulating melanogenesis in human hair. The composition comprises from 0.0001 % to 20 % by weight of at least one substance which is selected from pyrimidines and purines.

In one aspect of the composition, the at least one substance may be present in a concentration of from 0.001 % to 10 % by weight, e.g., in a concentration of from 0.01 % to 1 % by weight.

In another aspect, the composition may comprise at least one of purine, uracil, thymine, adenine, guanine and cytosine.

In yet other aspects, the composition may comprise purine, or it may comprise uracil, or it may comprise thymine, or it may comprise adenine, or it may comprise guanine, or it may comprise cytosine.

In as still further aspect, the composition may comprise at least 0.5 % by weight of uracil.

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In yet another aspect, the composition may further comprise from 0.05 % to 10 % by weight of an antioxidant.

The present invention also provides a spray formulation, a shower bath, a shampoo, a conditioning shampoo, a hair treatment and a hair rinse, all of which comprise the composition of the present invention, including the various aspects thereof.

The present invention also provides a method for intensifying natural hair color and/or stimulating melanogenesis in human hair. This method comprises the application of a composition which comprises at least one substance that is selected from pyrimidines and purines onto at least parts of the hair.

In one aspect of this method, the at least one substance may be present in a concentration of from 0.0001 % to 20 % by weight, e.g., from 0.001 % to 10 % by weight, preferably in a concentration of from 0.01 % to 1 % by weight.

In another aspect of the method, the composition may comprise at least one of purine, uracil, thymine, adenine, guanine and cytosine.

In a still further aspect of the method, the composition may comprise at least 0.5 % by weight of uracil.

In another aspect, the composition may be present as spray formulation, shampoo, conditioning shampoo, hair treatment, or hair rinse.---

4. Page 12, before last paragraph, insert and center the following:

---DETAILED DESCRIPTION OF THE INVENTION---;

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5. Page 16, first line, please change "Claims" to ---WHAT IS CLAIMED IS:---.